

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (currently amended) A heat transfer system comprising a heat transfer fluid ~~and a means for desorbing water from the heat transfer fluid;~~

the heat transfer fluid comprising ~~a at least about 40 weight percent~~ non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol additive selected from the group consisting of a molybdate salt, nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent ~~added~~ water, the additive not substantially depleting from the heat transfer fluid after about 10,000 hours of use in the heat transfer system.

2. (original) The heat transfer system of claim 1 wherein the heat transfer fluid includes from about 84.5 to about 99.85 weight percent non-buffered propylene glycol.

3. (original) The heat transfer system of claim 1 wherein the said molybdate salt is sodium molybdate.

4. (original) The heat transfer system of claim 1 wherein said nitrate compound is sodium nitrate.

5. (original) The heat transfer system of claim 1 wherein said azole compound consists of tolyltriazone.

6. (original) The heat transfer system of claim 1 wherein the said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazone.

7. (original) The heat transfer system of claim 1 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolyltriazole by weight.

8. (original) The heat transfer system of claim 1 wherein the heat transfer system is an internal combustion engine heat exchange system.

9. (original) The heat transfer system of claim 1 wherein the heat transfer system is a motor vehicle engine heat exchange system.

10. (currently amended) A heat transfer fluid composition effective for use in heat exchange systems comprising ~~a at least about 40 weight percent~~ non-buffered propylene glycol and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the heat transfer fluid after about 10,000 hours of use in the heat transfer system.

11. (original) The heat transfer fluid of claim 10 wherein the heat transfer fluid includes from about 84.5 to about 99.85 weight percent non-buffered propylene glycol.

12. (original) The heat transfer fluid of claim 10 wherein said molybdate salt is sodium molybdate.

13. (original) The heat transfer fluid of claim 10 wherein said nitrate compound is sodium nitrate.

14. (original) The heat transfer fluid of claim 10 wherein said azole compound consists of tolyltriazole.

15. (original) The heat transfer fluid of claim 10 wherein said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.

16. (original) The heat transfer fluid of claim 10 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolyltriazole by weight.

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18. (currently amended) The method of claim ~~17~~ 25 wherein said molybdate salt is sodium molybdate.

19. (currently amended) The method of claim ~~17~~ 25 wherein said nitrate compound is sodium nitrate.

20. (currently amended) The method of claim ~~17~~ 25 wherein said azole compound consists of tolyltriazole.

21. (currently amended) The method of claim ~~17~~ 25 wherein said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.

22. (currently amended) The method of claim ~~17~~ 25 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolyltriazole by weight.

23. (currently amended) The method of claim ~~17~~ 25 wherein the heat exchange system is an internal combustion engine heat exchange system.

24. (currently amended) The method of claim ~~19~~ 25 wherein the heat exchange system is a motor vehicle engine heat exchange system.

25. (new) A method of cooling a heat exchange system which comprises circulating a composition in said system, said composition comprising at least about 94.5 weight percent non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the composition after about 10,000 hours of use in the heat exchange system.

26. (new) A heat transfer fluid composition effective for use in heat exchange systems consisting essentially of a non-buffered propylene glycol and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the heat transfer fluid after about 10,000 hours of use in the heat transfer system.

27. (new) The heat transfer fluid composition of claim 26 wherein the heat transfer fluid composition includes from about 84.5 to about 99.85 weight percent non-buffered propylene glycol.

28. (new) The heat transfer composition of claim 26 wherein the said molybdate salt is sodium molybdate.

29. (new) The heat transfer composition of claim 26 wherein said nitrate compound is sodium nitrate.

30. (new) The heat transfer composition of claim 26 wherein said azole compound consists of tolyltriazole.

31. (new) The heat transfer composition of claim 26 wherein the said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.

32. (new) The heat transfer composition of claim 26 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolyltriazole by weight.

33. (new) A method of cooling a heat exchange system which comprises circulating a composition in said system, said composition consisting essentially of at least about 94.5 weight percent non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble additive selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the composition after about 10,000 hours of use in the heat exchange system.

34. (new) The method of claim 33 wherein said molybdate salt is sodium molybdate.

35. (new) The method of claim 33 wherein said nitrate compound is a sodium nitrate.

36. (new) The method of claim 33 wherein said azole compound consists of tolyltriazole.

37. (new) The method claim 33 wherein said propylene glycol is present in a concentration of about 94.5% to about 99.85% by weight, and the propylene glycol soluble additive comprises a mixture of sodium molybdate, sodium nitrate and tolyltriazole.

38. (new) The method claim 33 wherein said propylene glycol is present in a concentration of greater than about 99.0% by weight, and said propylene glycol soluble additive

comprises a mixture of about 0.3% sodium molybdate by weight, about 0.3% sodium nitrate by weight, and about 0.3% tolytriazole by weight.

39. (new) The method of claim 33 wherein the heat exchange system is an internal combustion engine heat exchange system.

40. (new) The method of claim 38 wherein the heat exchange system is a motor vehicle engine heat exchange system.

41. (new) A method of cooling a heat exchange system which comprises circulating a composition in said system, said composition comprising at least about 94.5 weight percent non-buffered propylene glycol, and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble corrosion inhibition additive, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the composition after about 10,000 hours of use in the heat exchange system and the composition not including additives which are not soluble in propylene glycol.

42. (new) The method of claim 41 wherein the propylene glycol soluble corrosion inhibition additive is selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound.

43. (new) A heat transfer fluid composition effective for use in heat exchange systems comprising a non-buffered propylene glycol and about 0.05 to about 5.0 weight percent of at least one propylene glycol soluble corrosion inhibition additive, the composition comprising less than about 0.5 weight percent water, the additive not substantially depleting from the heat transfer fluid after about 10,000 hours of use in the heat transfer system and the composition not including additives which are not soluble in propylene glycol.

44. (new) The heat transfer fluid of claim 43 wherein the propylene glycol soluble corrosion inhibition additive is selected from the group consisting of a molybdate salt, a nitrate compound and an azole compound.